

09/17/2001

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L8 and Sendai 7

Database:

US Patents Full-Text Database
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 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L9

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L9	L8 and Sendai	7	L9
L8	L7 and M near protein\$	7	L8
L7	L1 and (non-segmented or nonsegmented or single near strand\$) and negative near strand\$	16	L7
L6	L1 and (non-segmented or nonsegmented or single near strand2\$) and negative near strand2\$	0	L6
L5	L4 and Sendai	7	L5
L4	L3 and M near protein\$	7	L4
L3	l1 and dissemination	12	L3
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L1	RNA near10 autonomous near5 replication	48	L1

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Search Results - Record(s) 1 through 12 of 12 returned.

 1. Document ID: US 20020100066 A1

L3: Entry 1 of 12

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020100066
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20020100066 A1

TITLE: NEGATIVE STRAND RNA VIRAL VECTOR HAVING AUTONOMOUS REPLICATION CAPABILITY

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
NAGAI, YOSHIYUKI	TOKYO		JP	
KATO, ATSUSHI	TOKYO		JP	
MURAI, FUKASHI	IBARAKI		JP	
ASAKAWA, MAKOTO	IBARAKI		JP	
SAKATA, TSUNEAKI	OSAKA		JP	
HASEGAWA, MAMORU	IBARAKI		JP	
SHIODA, TATSUO	TOKYO		JP	

US-CL-CURRENT: 800/8; 424/93.1, 435/320.1, 435/325, 435/440, 435/455, 435/69.1,
536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Drawn Desc	Image										

 2. Document ID: US 20020081706 A1

L3: Entry 2 of 12

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020081706
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20020081706 A1

TITLE: NEGATIVE STRAND RNA VIRAL VECTOR HAVING AUTONOMOUS REPLICATION CAPABILITY

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
NAGAI, YOSHIYUKI	TOKYO		JP	
KATO, ATSUSHI	TOKYO		JP	
MURAI, FUKASHI	IBARAKI		JP	
ASAKAWA, MAKOTO	IBARAKI		JP	
SAKATA, TSUNEAKI	OSAKA		JP	
HASEGAWA, MAMORU	IBARAKI		JP	
SHIODA, TATSUO	TOKYO		JP	

US-CL-CURRENT: 435/235.1; 435/320.1, 435/325, 800/8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC
Draw Desc Image											

 3. Document ID: US 6451592 B1

L3: Entry 3 of 12

File: USPT

Sep 17, 2002

US-PAT-NO: 6451592

DOCUMENT-IDENTIFIER: US 6451592 B1

TITLE: Recombinant alphavirus-based vectors with reduced inhibition of cellular macromolecular synthesis

DATE-ISSUED: September 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Del Mar	CA		
Polo; John M.	Encinitas	CA		
Belli; Barbara A.	San Diego	CA		
Schlesinger; Sondra	St. Louis	MO		
Dryga; Sergey A.	Fort Collins	CO		
Frolov; Ilya	St. Louis	MO		

US-CL-CURRENT: 435/320.1; 435/69.1, 435/69.3, 435/69.51, 435/69.52

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC
Draw Desc Image											

 4. Document ID: US 6426196 B1

L3: Entry 4 of 12

File: USPT

Jul 30, 2002

US-PAT-NO: 6426196

DOCUMENT-IDENTIFIER: US 6426196 B1

TITLE: Alphavirus structural protein expression cassettes

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Piedmont	CA		
Polo; John M.	Encinitas	CA		
Schlesinger; Sondra	St. Louis	MO		
Frolov; Ilya	St. Louis	MO		

US-CL-CURRENT: 435/69.1; 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KUMC
Draw Desc Image										

5. Document ID: US 6391632 B1

L3: Entry 5 of 12

File: USPT

May 21, 2002

US-PAT-NO: 6391632

DOCUMENT-IDENTIFIER: US 6391632 B1

TITLE: Recombinant alphavirus-based vectors with reduced inhibition of cellular macromolecular synthesis

DATE-ISSUED: May 21, 2002

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Del Mon	CA		
Polo; John M.	Encinitas	CA		
Belli; Barbara A.	San Diego	CA		
Schlesinger; Sondra	St. Louis	MO		
Dryga; Sergey A.	Fort Collins	CO		
Frolov; Ilya	St. Louis	MO		

US-CL-CURRENT: 435/325; 435/457, 435/69.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							KQMC

 6. Document ID: US 6376236 B1

L3: Entry 6 of 12

File: USPT

Apr 23, 2002

US-PAT-NO: 6376236

DOCUMENT-IDENTIFIER: US 6376236 B1

TITLE: Recombinant alphavirus particles

DATE-ISSUED: April 23, 2002

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Ibanez; Carlos E.	San Diego	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							KQMC

 7. Document ID: US 6342372 B1

L3: Entry 7 of 12

File: USPT

Jan 29, 2002

US-PAT-NO: 6342372

DOCUMENT-IDENTIFIER: US 6342372 B1

TITLE: Eukaryotic layered vector initiation systems for production of recombinant proteins

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/69.1; 435/455, 536/23.2, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Drawn Desc	Image									

8. Document ID: US 6015694 A

L3: Entry 8 of 12

File: USPT

Jan 18, 2000

US-PAT-NO: 6015694

DOCUMENT-IDENTIFIER: US 6015694 A

TITLE: Method for stimulating an immune response utilizing recombinant alphavirus particles

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Chang; Steven M.W.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		

US-CL-CURRENT: 435/69.3; 424/199.1, 424/204.1, 424/228.1, 424/234.1, 424/265.1,
424/274.1, 424/277.1, 536/23.5, 536/23.7, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Drawn Desc	Image									

9. Document ID: US 6015686 A

L3: Entry 9 of 12

File: USPT

Jan 18, 2000

US-PAT-NO: 6015686

DOCUMENT-IDENTIFIER: US 6015686 A

TITLE: Eukaryotic layered vector initiation systems

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/410, 435/455, 435/456, 536/23.5,
536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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10. Document ID: US 5843723 A

L3: Entry 10 of 12

File: USPT

Dec 1, 1998

US-PAT-NO: 5843723

DOCUMENT-IDENTIFIER: US 5843723 A

TITLE: Alphavirus vector constructs

DATE-ISSUED: December 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Ibanez; Carlos E.	San Diego	CA		
Chang; Stephen M. W.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		
Driver; David A.	San Diego	CA		
Belli; Barbara A.	San Diego	CA		

US-CL-CURRENT: 435/69.3; 435/235.1, 435/320.1, 435/325

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Drawn Desc		Image							

KMC

11. Document ID: US 5814482 A

L3: Entry 11 of 12

File: USPT

Sep 29, 1998

US-PAT-NO: 5814482

DOCUMENT-IDENTIFIER: US 5814482 A

TITLE: Eukaryotic layered vector initiation systems

DATE-ISSUED: September 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA	92067	
Polo; John M.	San Diego	CA	92109	
Jolly; Douglas J.	Leucadia	CA	92024	
Driver; David A.	San Diego	CA	92117	

US-CL-CURRENT: 435/69.3; 435/320.1, 536/23.1, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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12. Document ID: US 5789245 A

L3: Entry 12 of 12

File: USPT

Aug 4, 1998

US-PAT-NO: 5789245

DOCUMENT-IDENTIFIER: US 5789245 A

TITLE: Alphavirus structural protein expression cassettes

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA		
Polo; John M.	San Diego	CA		
Ibanez; Carlos E.	San Diego	CA		
Chang; Stephen M. W.	San Diego	CA		
Jolly; Douglas J.	Leucadia	CA		
Driver; David A.	San Diego	CA		

US-CL-CURRENT: 435/320.1; 435/325, 435/69.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Terms	Documents
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Display Format:

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? s RNA (10n) autonomous (5n) replication
2380417 RNA
108567 AUTONOMOUS
617422 REPLICATION
S1 189 RNA (10N) AUTONOMOUS (5N) REPLICATION
? s s1 and dissemination
189 S1
117598 DISSEMINATION
S2 0 S1 AND DISSEMINATION
? s s1 and M (n) protein
Processed 10 of 37 files ...
Processing
Processed 30 of 37 files ...
Processing
Completed processing all files
189 S1
4489065 M
9462005 PROTEIN
21766 M(N) PROTEIN
S3 0 S1 AND M (N) PROTEIN
? s s1 and sendai
189 S1
26021 SENDAI
S4 2 S1 AND SENDAI
? d s4/9/1-2
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DIALOG(R)File 357:Derwent Biotech Res.

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0252199 DBA Accession No.: 2000-06689 PATENT
RNA virus vector with deleted or inactivated propagation gene is used for
gene transfer and gene therapy - hemagglutinin gene deleted or
inactivated **Sendai** virus vector

AUTHOR: Asakawa M; Hasegawa M

CORPORATE SOURCE: Ibaraki, Japan.

PATENT ASSIGNEE: DNAVec-Research 2000

PATENT NUMBER: WO 200009700 PATENT DATE: 20000224 WPI ACCESSION NO.:
2000-206010 (2018)

PRIORITY APPLIC. NO.: JP 98227398 APPLIC. DATE: 19980811

NATIONAL APPLIC. NO.: WO 99JP4333 APPLIC. DATE: 19990810

LANGUAGE: Japanese

ABSTRACT: An **RNA** virus vector able to undergo **autonomous**
~~replication-and-contact-infiltration,-but-unable-to-multiply,-is~~
claimed. The vector contains a gene involved in multiplication, but
this gene is deleted or inactivated. Also claimed are: cells
transformed by the vector; a template DNA corresponding to the vector
RNA; kits containing the vector; and a method for expression of foreign

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genes in non-human mammal cells, involving transforming the cells with the vector. The new vector is used for efficient insertion of foreign genes into cells, especially for gene therapy. In an example, a plasmid pUC18-based vector containing cDNA corresponding to **Sendai** virus (plasmid pUC18/T7(+)HVJRz) was cleaved to isolate the M gene cDNA. The vector was then reconstituted with a non-coding linker sequence in place of the M gene to give plasmid pHVJ-dMEA. The plasmid is transfected into LLCMK2 cells, which are cultured to form virus particles. RNA virus vector obtained is inoculated into fertile fowl eggs. After 3 days, the virus hemagglutinin (expressed by the hemagglutinin gene) is assayed. A value below 2 is obtained, showing low virus multiplication (16 for wild type virus). (34pp)

DESCRIPTORS: **Sendai** virus expressing plasmid pUC18/T7(+)HVJRz, reduced multiplication act., matrix protein, hemagglutinin gene inactivation, deletion, pot. cell transfection, gene therapy vector RNA virus paramyxo virus cloning gene transfer protein (Vol.19, No.12)

SECTION: PHARMACEUTICALS-Clinical Genetic Techniques; GENETIC ENGINEERING AND FERMENTATION-Nucleic Acid Technology (D7,A1)

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Display 4/9/2 (Item 2 from file: 357)

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0212511 DBA Accession No.: 97-07632 PATENT

Reconstituted negative strand RNA virus vector with full replicative ability - **Sendai** virus vector production in mammal or bird packaging cell culture, for use in gene therapy

AUTHOR: Nagai Y; Kato A; Murai F; Asakawa M; Sakata T; Hasegawa M; Shiota T

CORPORATE SOURCE: Ibaraki, Japan.

PATENT ASSIGNEE: DNAVec-Research 1997

PATENT NUMBER: WO 9716538 PATENT DATE: 970509 WPI ACCESSION NO.: 97-272108 (9724)

PRIORITY APPLIC. NO.: JP 95308315 APPLIC. DATE: 951031

NATIONAL APPLIC. NO.: WO 96JP3068 APPLIC. DATE: 961022

LANGUAGE: JA

ABSTRACT: A new cell transformation vector consists of a virus structure defective in cell infectivity and **RNA autonomous replication**, derived from a negative-strand **RNA** virus (preferably **Sendai** virus) lacking M, F and/or HN protein genes. A foreign gene may be included. The vector may be used to transform a

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host mammal or bird packaging cell culture, tissue or egg cell, containing M, F and/or HN or M, NP, P/C and/or L genes, resulting in production of reconstituted virions with full replicative ability. The system may be used for efficient production of a recombinant virus vector for use in recombinant protein production in vitro or gene therapy. In an example, a rhesus monkey kidney LLCMK2 cell culture was transformed with plasmid pGEM-L, plasmid pGEM-NP and plasmid pGEM-P, containing viral cDNAs. An HIV virus gp120 gene was amplified by polymerase chain reaction from plasmid pN1432 and incorporated into Sendai virus vector plasmid pSeV18+, to give plasmid pSeVgp120, which was used to infect CV-1 cells, resulting in production of recombinant HIV protein gp120 in the culture supernatant. (47pp)

DESCRIPTORS: replication-defective Sendai virus vector, mammal, bird packaging cell culture, appl. recombinant protein prep., gene therapy paramyxo virus animal gene transfer expression (Vol.16, No.14)

SECTION: PHARMACEUTICALS-Clinical Genetic Techniques; GENETIC ENGINEERING AND FERMENTATION-Nucleic Acid Technology; CELL CULTURE-Animal Cell Culture (D7,A1,J1)

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Completed processing all files

189 S1

9697514 NON

47661 SEGMENTED

731 NON(N)SEGMENTED

S5 0 S1 AND NON (N) SEGMENTED

? s s1 and contact (n) infiltration

189 S1

1139138 CONTACT

316744 INFILTRATION

46 CONTACT(N)INFILTRATION

S6 1 S1 AND CONTACT (N) INFILTRATION

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DIALOG(R)File 357:Derwent Biotech Res.

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0252199 DBA Accession No.: 2000-06689 PATENT

RNA virus vector with deleted or inactivated propagation gene is used for gene transfer and gene therapy - hemagglutinin gene deleted or inactivated Sendai virus vector

AUTHOR: Asakawa M; Hasegawa M

CORPORATE SOURCE: Ibaraki, Japan.

PATENT ASSIGNEE: DNAVec-Research 2000

PATENT NUMBER: WO 200009700 PATENT DATE: 20000224 WPI ACCESSION NO.: 2000-206010 (2018)

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PRIORITY APPLIC. NO.: JP 98227398 APPLIC. DATE: 19980811
NATIONAL APPLIC. NO.: WO 99JP4333 APPLIC. DATE: 19990810
LANGUAGE: Japanese

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? e au=asakawa, makoto

Ref	Items	Index-term
E1	289	AU=ASAOKAWA, M.
E2	41	AU=ASAOKAWA, MAKIO
E3	36	*AU=ASAOKAWA, MAKOTO
E4	29	AU=ASAOKAWA, MANABU
E5	3	AU=ASAOKAWA, MASAHIKO
E6	4	AU=ASAOKAWA, MASAJI
E7	1	AU=ASAOKAWA, MASAKATA
E8	1	AU=ASAOKAWA, MASANORI
E9	23	AU=ASAOKAWA, MASARU
E10	1	AU=ASAOKAWA, MASATO
E11	1	AU=ASAOKAWA, MASATOSHI
E12	27	AU=ASAOKAWA, MASAYUKI

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? e au=asakawa makoto

Ref	Items	Index-term
E1	79	*AU=ASAOKAWA MAKOTO
E2	59	AU=ASAOKAWA MANABU
E3	7	AU=ASAOKAWA MARI
E4	2	AU=ASAOKAWA MARIKO
E5	2	AU=ASAOKAWA MASAHIKO
E6	12	AU=ASAOKAWA MASAHIRO
E7	1	AU=ASAOKAWA MASAKAZU
E8	1	AU=ASAOKAWA MASAKI
E9	14	AU=ASAOKAWA MASAKO
E10	28	AU=ASAOKAWA MASAMI
E11	2	AU=ASAOKAWA MASANORI
E12	3	AU=ASAOKAWA MASAO

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